GenCore version 4.5

OM protein - protein search, using sw model

Run on: June 21, 2002, 08:20:15 ; Search time 34.99 Seconds
(without alignments)
54.450 Million cell updates/sec

Title: US-09-351-778A-9
Perfect score: 78
Sequence: 1 MTGSTIAPTTDYRNTTATGL.....ICCLKRRRARPPIYRPIIVL 78

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 231628 seqs, 24425594 residues

Word size : 0

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
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5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	78	100.0	101	4	US-09-033-333-22	Sequence 22, Appl
2	78	100.0	101	4	US-09-033-428-23	Sequence 23, Appl
3	6	7.7	78	1	US-07-929-206-4	Sequence 4, Appli
4	6	7.7	78	2	US-08-313-185-44	Sequence 44, Appl
5	6	7.7	78	2	US-08-459-499-4	Sequence 4, Appli
6	6	7.7	78	3	US-09-082-614A-44	Sequence 44, Appl
7	6	7.7	90	3	US-08-894-173-48	Sequence 48, Appl
8	6	7.7	90	4	US-09-398-193-48	Sequence 48, Appl
9	6	7.7	142	3	US-08-775-414-82	Sequence 82, Appl
10	6	7.7	150	3	US-08-775-414-84	Sequence 84, Appl
11	6	7.7	195	1	US-08-519-777-8	Sequence 8, Appli
12	6	7.7	195	1	US-08-742-035-8	Sequence 8, Appli
13	6	7.7	195	2	US-08-777-019-8	Sequence 8, Appli
14	6	7.7	195	2	US-08-777-143-8	Sequence 8, Appli
15	6	7.7	195	3	US-08-775-414-8	Sequence 8, Appli
16	6	7.7	195	4	US-08-931-858E-8	Sequence 8, Appli
17	6	7.7	195	4	US-08-981-739-8	Sequence 8, Appli
18	6	7.7	264	1	US-08-463-115-93	Sequence 93, Appl
19	6	7.7	264	1	US-08-465-388-93	Sequence 93, Appl
20	6	7.7	318	3	US-08-859-167-4	Sequence 4, Appli
21	6	7.7	318	3	US-09-109-273-4	Sequence 4, Appli
22	6	7.7	318	4	US-09-276-993-4	Sequence 4, Appli
23	6	7.7	360	1	US-08-361-708-4	Sequence 4, Appli
24	6	7.7	360	1	US-08-536-277-4	Sequence 4, Appli
25	6	7.7	361	1	US-08-361-708-3	Sequence 3, Appli
26	6	7.7	361	1	US-08-314-309A-25	Sequence 25, Appl
27	6	7.7	361	1	US-08-536-277-3	Sequence 3, Appli
28	6	7.7	369	1	US-08-232-238A-2	Sequence 2, Appli
29	6	7.7	369	2	US-08-468-865-2	Sequence 2, Appli
30	6	7.7	369	2	US-08-411-043-2	Sequence 2, Appli
31	6	7.7	420	2	US-08-466-103A-2	Sequence 2, Appli
32	6	7.7	461	4	US-09-355-115-7	Sequence 7, Appli
33	6	7.7	726	2	US-08-313-185-49	Sequence 49, Appl
34	6	7.7	726	2	US-08-459-499-13	Sequence 13, Appl
35	6	7.7	726	3	US-09-082-614A-49	Sequence 49, Appl
36	6	7.7	956	1	US-08-185-232A-2	Sequence 2, Appli
37	6	7.7	956	1	US-08-416-523-2	Sequence 2, Appli
38	6	7.7	956	3	US-08-789-478-2	Sequence 2, Appli
39	6	7.7	1410	3	US-09-335-409-3	Sequence 3, Appli
40	6	7.7	1410	4	US-09-568-102-3	Sequence 3, Appli
41	6	7.7	1410	4	US-09-567-969-3	Sequence 3, Appli
42	6	7.7	1410	4	US-09-568-480-3	Sequence 3, Appli
43	6	7.7	1410	4	US-09-568-486-3	Sequence 3, Appli
44	6	7.7	1410	4	US-09-568-472-3	Sequence 3, Appli
45	6	7.7	2476	2	US-08-276-967-2	Sequence 2, Appli

ALIGNMENTS

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RESULT   1
US-09-033-333-22
; Sequence 22, Application US/09033333
; Patent No. 6197293
;  GENERAL INFORMATION:
;    APPLICANT:  Yu, De Chao
;    APPLICANT:  Schuur, Eric
;    APPLICANT:  Henderson, Daniel
;    TITLE OF INVENTION:  ADENOVIRUS VECTORS SPECIFIC
;    TITLE OF INVENTION:  FOR CELLS EXPRESSING ANDROGEN RECEPTOR AND METHODS OF USE
;    TITLE OF INVENTION:  THEREOF
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/033,333
;      FILING DATE:  02-MAR-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Catherine, Polizzi M
;      REGISTRATION NUMBER:  40,130
;      REFERENCE/DOCKET NUMBER:  34802-20007.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  101 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    FRAGMENT TYPE:  internal
US-09-033-333-22
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  Query Match             100.0%;  Score 78;  DB 4;  Length 101;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-72;
  Matches   78;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 MTGSTIAPTTDYRNTTATGLTSALNLPQVHAFVNDWASLDMWWFSIALMFVCLIIMWLIC 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 MTGSTIAPTTDYRNTTATGLTSALNLPQVHAFVNDWASLDMWWFSIALMFVCLIIMWLIC 60

Qy      61 CLKRRRARPPIYRPIIVL 78
           ||||||||||||||||||
Db      61 CLKRRRARPPIYRPIIVL 78


RESULT   2
US-09-033-428-23
; Sequence 23, Application US/09033428
; Patent No. 6254862
;  GENERAL INFORMATION:
;    APPLICANT:  Little, Andrew
;    APPLICANT:  Lamparski, Henry
;    APPLICANT:  Schuur, Eric
;    APPLICANT:  Henderson, Daniel
;    TITLE OF INVENTION:  ADENOVIRUS VECTORS SPECIFIC FOR CELLS
;    TITLE OF INVENTION:  EXPRESSING APHA-FETOPROTEIN AND METHODS OF USE THEREOF
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  PALO ALTO
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/033,428
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  POLIZZI, CATHERINE M.
;      REGISTRATION NUMBER:  40,130
;      REFERENCE/DOCKET NUMBER:  34802-30004.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 813-5600
;      TELEFAX:  (415) 494-0792
;      TELEX:  706141 MRSNFOERS SFO
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  101 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-033-428-23


  Query Match             100.0%;  Score 78;  DB 4;  Length 101;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-72;
  Matches   78;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 MTGSTIAPTTDYRNTTATGLTSALNLPQVHAFVNDWASLDMWWFSIALMFVCLIIMWLIC 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 MTGSTIAPTTDYRNTTATGLTSALNLPQVHAFVNDWASLDMWWFSIALMFVCLIIMWLIC 60

Qy      61 CLKRRRARPPIYRPIIVL 78
           ||||||||||||||||||
Db      61 CLKRRRARPPIYRPIIVL 78


RESULT   3
US-07-929-206-4
; Sequence 4, Application US/07929206
; Patent No. 5633131
;  GENERAL INFORMATION:
;    APPLICANT:  Heym, Beate
;    APPLICANT:  Cole, Stewart T.
;    APPLICANT:  Zhang, Ying
;    APPLICANT:  Young, Douglas B.
;    TITLE OF INVENTION:  Rapid Detection of Isoniazid Resistance
;    TITLE OF INVENTION:  in Mycobacterium Tuberculosis
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W.
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/929,206
;      FILING DATE:  14-AUG-1992
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/875,940
;      FILING DATE:  30-APR-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Flynn, Kerry A.
;      REGISTRATION NUMBER:  33,693
;      REFERENCE/DOCKET NUMBER:  03495.0110-01000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  78 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-929-206-4


  Query Match              7.7%;  Score 6;  DB 1;  Length 78;
  Best Local Similarity   100.0%;  Pred. No. 36;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      14 NTTATG 19
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Db       9 NTTATG 14


RESULT   4
US-08-313-185-44
; Sequence 44, Application US/08313185
; Patent No. 5851763
;  GENERAL INFORMATION:
;    APPLICANT:  Heym, Beate
;    APPLICANT:  Cole, Stewart
;    APPLICANT:  Young, Douglas
;    APPLICANT:  Zhang, Ying
;    APPLICANT:  Honore, Nadine
;    APPLICANT:  Telenti, Amalio
;    APPLICANT:  Bodmer, Thomas
;    TITLE OF INVENTION:  Rapid Detection of Antibiotic Resistance
;    TITLE OF INVENTION:  in Mycobacterium Tuberculosis
;    NUMBER OF SEQUENCES:  66
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
```

```
;       STREET:  1300 I Street, N.W.
;       CITY:  Washington
;       STATE:  D.C.
;       COUNTRY:  USA
;       ZIP:  20005-3315
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/313,185
;       FILING DATE:  12-OCT-1994
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Meyers, Kenneth J.
;       REGISTRATION NUMBER:  25,146
;       REFERENCE/DOCKET NUMBER:  02356.0068-00000
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202) 408-4000
;       TELEFAX:  (202) 408-4400
;   INFORMATION FOR SEQ ID NO:  44:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  78 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
US-08-313-185-44


  Query Match             7.7%;  Score 6;  DB 2;  Length 78;
  Best Local Similarity   100.0%;  Pred. No. 36;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      14 NTTATG 19
           ||||||
Db       9 NTTATG 14


RESULT   5
US-08-459-499-4
; Sequence 4, Application US/08459499
; Patent No. 5871912
;  GENERAL INFORMATION:
;     APPLICANT:  Heym, Beate
;     APPLICANT:  Cole, Stewart T.
;     APPLICANT:  Young, Douglas B.
;     APPLICANT:  Zhang, Ying
;     TITLE OF INVENTION:  Nucleic Acid Probes, Sequences, and Methods
;     TITLE OF INVENTION:  for Detecting Mycobacterium Tuberculosis Resistant to Isoniazi
;     TITLE OF INVENTION:  Amended)
;     NUMBER OF SEQUENCES:  17
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;       ADDRESSEE:  Dunner
;       STREET:  1300 I Street, N.W.
;       CITY:  Washington
;       STATE:  DC
;       COUNTRY:  USA
;       ZIP:  20005-3315
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.3
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/459,499
;       FILING DATE:  02-JUN-1995
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/875,940
;       FILING DATE:  30-APR-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/929,206
;       FILING DATE:  27-MAY-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/029,655
;       FILING DATE:  11-MAR-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Meyers, Kenneth J.
;       REGISTRATION NUMBER:  25,146
;       REFERENCE/DOCKET NUMBER:  03495.0110-03000
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  202-408-4000
;       TELEFAX:  202-408-4400
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  78 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
US-08-459-499-4


  Query Match             7.7%;  Score 6;  DB 2;  Length 78;
  Best Local Similarity   100.0%;  Pred. No. 36;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      14 NTTATG 19
           ||||||
Db       9 NTTATG 14


RESULT   6
US-09-082-614A-44
; Sequence 44, Application US/09082614A
; Patent No. 6124098
;  GENERAL INFORMATION:
;     APPLICANT:  Heym, Beate
;     APPLICANT:  Cole, Stewart
;     APPLICANT:  Young, Douglas
;     APPLICANT:  Zhang, Ying
;     APPLICANT:  Honore, Nadine
;     APPLICANT:  Telenti, Amalio
;     APPLICANT:  Bodmer, Thomas
;     TITLE OF INVENTION:  Rapid Detection of Antibiotic Resistance
;     TITLE OF INVENTION:  in Mycobacterium Tuberculosis
;     NUMBER OF SEQUENCES:  66
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;       ADDRESSEE:  Dunner
;       STREET:  1300 I Street, N.W.
;       CITY:  Washington
;       STATE:  D.C.
;       COUNTRY:  USA
;       ZIP:  20005-3315
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/082,614A
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/313,185
;       FILING DATE:  12-OCT-1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Meyers, Kenneth J.
;       REGISTRATION NUMBER:  25,146
;       REFERENCE/DOCKET NUMBER:  02356.0068-00000
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202) 408-4000
;       TELEFAX:  (202) 408-4400
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;  INFORMATION FOR SEQ ID NO:  44:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  78 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-082-614A-44


  Query Match             7.7%;  Score 6;  DB 3;  Length 78;
  Best Local Similarity   100.0%;  Pred. No. 36;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      14 NTTATG 19
           ||||||
Db       9 NTTATG 14


RESULT   7
US-08-894-173-48
; Sequence 48, Application US/08894173A
; Patent No. 6090612
; GENERAL INFORMATION:
;  APPLICANT: Medical Research Council
;  TITLE OF INVENTION: Adenylate cyclase and uses therefor
;  FILE REFERENCE: P14716C
;  CURRENT APPLICATION NUMBER: US/08/894,173A
;  CURRENT FILING DATE: 1997-08-13
;  NUMBER OF SEQ ID NOS: 97
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
;   LENGTH: 90
;   TYPE: PRT
;   ORGANISM: Human
US-08-894-173-48


  Query Match             7.7%;  Score 6;  DB 3;  Length 90;
  Best Local Similarity   100.0%;  Pred. No. 41;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      44 FSIALM 49
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Db      39 FSIALM 44


RESULT   8
US-09-398-193-48
; Sequence 48, Application US/09398193
; Patent No. 6197581
; GENERAL INFORMATION:
;  APPLICANT: Medical Research Council
;  TITLE OF INVENTION: Adenylate cyclase and uses therefor
;  FILE REFERENCE: P24360-
;  CURRENT APPLICATION NUMBER: US/09/398,193
;  CURRENT FILING DATE: 1999-09-17
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
;   LENGTH: 90
;   TYPE: PRT
;   ORGANISM: Human
US-09-398-193-48


  Query Match             7.7%;  Score 6;  DB 4;  Length 90;
  Best Local Similarity   100.0%;  Pred. No. 41;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      44 FSIALM 49
           ||||||
Db      39 FSIALM 44


RESULT   9
US-08-775-414-82
; Sequence 82, Application US/08775414
; Patent No. 6090778
; GENERAL INFORMATION:
;    APPLICANT:  JOHNSON JR., EUGENE M.
;    APPLICANT:  MILBRANDT, JEFFREY D.
;    APPLICANT:  KOTZBAUER, PAUL T.
;    APPLICANT:  LAMPE, PATRICIA A.
;    TITLE OF INVENTION:  NEURTURIN AND RELATED GROWTH FACTORS
;    NUMBER OF SEQUENCES:  90
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HOWELL & HAFERKAMP, L.C.
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  US
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/775,414
;      FILING DATE:  31-DEC-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  965805
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  82:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  142 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-775-414-82


  Query Match             7.7%;  Score 6;  DB 3;  Length 142;
  Best Local Similarity   100.0%;  Pred. No. 60;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      64 RRRARP 69
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Db      38 RRRARP 43


RESULT  10
US-08-775-414-84
; Sequence 84, Application US/08775414
; Patent No. 6090778
;  GENERAL INFORMATION:
;    APPLICANT:  JOHNSON JR., EUGENE M.
;    APPLICANT:  MILBRANDT, JEFFREY D.
;    APPLICANT:  KOTZBAUER, PAUL T.
;    APPLICANT:  LAMPE, PATRICIA A.
;    TITLE OF INVENTION:  NEURTURIN AND RELATED GROWTH FACTORS
;    NUMBER OF SEQUENCES:  90
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HOWELL & HAFERKAMP, L.C.
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  US
;      ZIP:  63105-1817
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;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/775,414
;      FILING DATE:  31-DEC-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  965805
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  84:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  150 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-775-414-84


  Query Match             7.7%;  Score 6;  DB 3;  Length 150;
  Best Local Similarity   100.0%;  Pred. No. 63;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      64 RRRARP 69
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Db      46 RRRARP 51


RESULT  11
US-08-519-777-8
; Sequence 8, Application US/08519777
; Patent No. 5739307
;  GENERAL INFORMATION:
;    APPLICANT:  JOHNSON JR., EUGENE M.
;    APPLICANT:  MILBRANDT, JEFFREY D.
;    APPLICANT:  KOTZBAUER, PAUL T.
;    APPLICANT:  LAMPE, PATRICIA A.
;    TITLE OF INVENTION:  NEURTURIN AND RELATED GROWTH FACTORS
;    NUMBER OF SEQUENCES:  78
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP, L.C.
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  US
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/519,777
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  953095
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-519-777-8


  Query Match             7.7%;  Score 6;  DB 1;  Length 195;
  Best Local Similarity   100.0%;  Pred. No. 79;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      64 RRRARP 69
           ||||||
Db      91 RRRARP 96


RESULT  12
US-08-742-035-8
; Sequence 8, Application US/08742035
; Patent No. 5747655
;  GENERAL INFORMATION:
;    APPLICANT:  JOHNSON JR., EUGENE M.
;    APPLICANT:  MILBRANDT, JEFFREY D.
;    APPLICANT:  KOTZBAUER, PAUL T.
;    APPLICANT:  LAMPE, PATRICIA A.
;    TITLE OF INVENTION:  NEURTURIN AND RELATED GROWTH FACTORS
;    NUMBER OF SEQUENCES:  78
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP, L.C.
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  US
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/742,035
;      FILING DATE:  01-NOV-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/519,777
;      FILING DATE:  28-AUG-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  953095
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-742-035-8


  Query Match             7.7%;  Score 6;  DB 1;  Length 195;
  Best Local Similarity   100.0%;  Pred. No. 79;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      64 RRRARP 69
           ||||||
Db      91 RRRARP 96


RESULT  13
US-08-777-019-8
; Sequence 8, Application US/08777019
; Patent No. 5817622
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;  GENERAL INFORMATION:
;    APPLICANT:  JOHNSON JR., EUGENE M.
;    APPLICANT:  MILBRANDT, JEFFREY D.
;    APPLICANT:  KOTZBAUER, PAUL T.
;    APPLICANT:  LAMPE, PATRICIA A.
;    TITLE OF INVENTION:  NEURTURIN AND RELATED GROWTH FACTORS
;    NUMBER OF SEQUENCES:  78
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP, L.C.
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  US
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/777,019
;      FILING DATE:  30-DEC-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/519,777
;      FILING DATE:  28-AUG-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  953095
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-777-019-8


  Query Match             7.7%;  Score 6;  DB 2;  Length 195;
  Best Local Similarity   100.0%;  Pred. No. 79;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      64 RRRARP 69
           ||||||
Db      91 RRRARP 96


RESULT  14
US-08-777-143-8
; Sequence 8, Application US/08777143
; Patent No. 5843914
;  GENERAL INFORMATION:
;    APPLICANT:  JOHNSON JR., EUGENE M.
;    APPLICANT:  MILBRANDT, JEFFREY D.
;    APPLICANT:  KOTZBAUER, PAUL T.
;    APPLICANT:  LAMPE, PATRICIA A.
;    TITLE OF INVENTION:  NEURTURIN AND RELATED GROWTH FACTORS
;    NUMBER OF SEQUENCES:  78
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP, L.C.
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  US
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/777,143
;      FILING DATE:  30-DEC-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/519,777
;      FILING DATE:  28-AUG-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  953095
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-777-143-8


  Query Match             7.7%;  Score 6;  DB 2;  Length 195;
  Best Local Similarity   100.0%;  Pred. No. 79;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      64 RRRARP 69
           ||||||
Db      91 RRRARP 96


RESULT  15
US-08-775-414-8
; Sequence 8, Application US/08775414
; Patent No. 6090778
;  GENERAL INFORMATION:
;    APPLICANT:  JOHNSON JR., EUGENE M.
;    APPLICANT:  MILBRANDT, JEFFREY D.
;    APPLICANT:  KOTZBAUER, PAUL T.
;    APPLICANT:  LAMPE, PATRICIA A.
;    TITLE OF INVENTION:  NEURTURIN AND RELATED GROWTH FACTORS
;    NUMBER OF SEQUENCES:  90
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HOWELL & HAFERKAMP, L.C.
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  US
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/775,414
;      FILING DATE:  31-DEC-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  965805
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
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US-08-775-414-8

Query Match 7.7%; Score 6; DB 3; Length 195;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      64 RRRARP 69
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Db      91 RRRARP 96
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Job time: 44 sec